Capstone stage 1

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App name: Joshua | Church finder -   Powered by yelp⚹

Description

Are you visiting this town and wondering where is the nearest Church for worship? "Joshua" is here to help. But why get only that when you can get also the Church rating. Download this app now and don't miss this information.
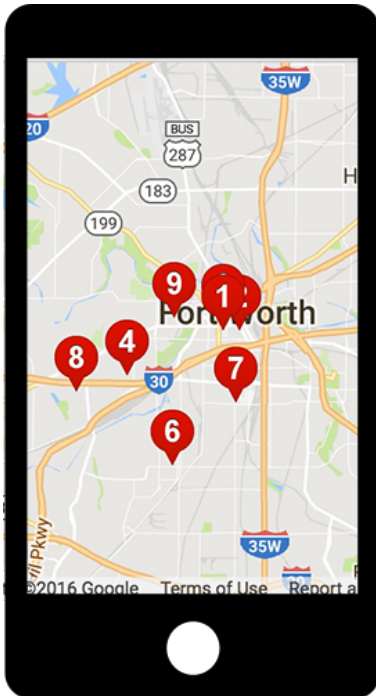
Intended User

Traveller, visitor, church goer

Features

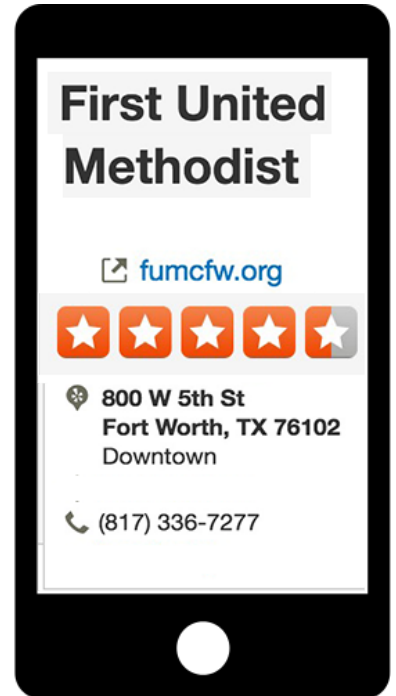- Displays a map with Churches within certain radius based on user location.
- Allows the user to see the church rating in a new screen
- Shows the user the desired church's address, phone number and website.
- Allows user to set up widget in home screen

User Interface Mocks

Screen 1

Map with Churches in location

Screen 2

Detailed View

Screen 3

Widget showing short list of found places.

Key Considerations

Handling of data persistence

Schematic Library to handle off line events.

About libraries

- Schematic library for data persistence.
- Design library is used for AppCompat

About Google Play Services.

- The app customizes the user's experience by using the devices' location
- The app uses google maps

Required Tasks

Task 1: Project Setup

- Configure Schematic for data persistence
- Configure SyncAdapter to pull with API for Json
- Configure fragment for tablet
- Configure widget
- Configure gradle for google libraries
- Configure gradle to store secret passwords and API key
- Configure GPS google service based on user location
- Connect the API to Yelp.com
- Display churches in map after parsing Json
- Setup RTL layouts
- Setup button descriptions where necessary
- Strings are handle in string.xml

Task 2: Implementing UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for Fragment (Detailed View)
- Setup RTL layouts
- Setup button descriptions where necessary
- Setup toolbar

Task 3: Implementing Google Map Service

- Create layout
- Establish GPS location

Task 4: Handle of intents

- Created intent to launch Church's website

Task 5: Handle of error when off line

- Pull for last stored information in database

Task 6: Handle of error if Json brings null

- Control if selection of place doesn't have rating, address or website.

Task 7: Create home screen widget

- Create layout
- Create connections to data.